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Gaston NAESSENS

Somatids, The Somatoscope, & 714X

(Trimethylaminohydroxybicycloheptane Chloride)

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http://www.bccancer.bc.ca/PPI/UnconventionalTherapies/GastonNaessens714X.htm
BC Cancer Agency Cancer Information Centre. (BCCA Cancer Information Centre search file 2400)

Gaston Naessens (714X)

The role of your cancer health professional is to create an environment of openness and trust, and to help in making informed decisions about alternative/complementary therapies. Collaboration will improve the safe integration of all therapies during your experience with cancer. The "Summary" and "Professional Evaluation / Critique" sections of this Unconventional manual are cited directly from the medical literature, and are intended to help in the objective evaluation of alternative/complementary therapies.

Summary

"Its formulation and administration are based on unconventional views about the nature of cancer that have not been substantiated by mainstream researchers. Side effects appear to be minimal, but evidence of its effectiveness is limited." (Kaegi)

Description / Source / Components

"714-X is the name given to an alternative product developed by Gaston Naessens, a French microbiologist now residing in Quebec, Canada." (Cassileth)

714X contains "a mixture of camphor, ammonium chloride and nitrate, sodium chloride, ethanol, and water." (Health)

"Camphor is a natural product derived from the shrub Cinnamomum camphora." (Kaegi)

714X is injected daily (perinodular). A series of shots consists of twenty-one daily injections; three such series are the minimum required, but most patients should expect to undergo longer-term treatment." (Fink 1997)

714X must be "injected intralymphatically via a lymph node in the groin." (Davies)

This product may be requested by physicians on compassionate plea under the Emergency Drug Release Program. The authorization only provides legal access to the drug and does not ensure or imply approval of the quality, manufacturing process or clinical use. (Health) (714X)

"Outside Canada, 714-X is available in Mexico and Western Europe but not in the US, where it is currently under investigation by the Food and Drug Administration." (Kaegi)

History

Naessens claims to have developed in the 1940s "an extremely powerful light microscope (it uses ultraviolet and laser technology) that is capable of extraordinary rates of magnification -- up to 30,000X -- and can examine living tissue." (Davies)

"(The later development of the electron microscope, which allows even higher magnification [although not of fresh, unstained blood and tissues], displaced interest in the somatoscope and other similar microscopes that used dark-field microscopy.)" (Kaegi)

Gaston Naessens "was arrested in Quebec in 1989 and charged with four counts of illegal practice of medicine and one count of contributing to the death of a patient." (Roberts)

"Naessens had been convicted four times of practicing medicine without a license, twice in France, and twice in Canada." (Blackburn)

"The name `714-X' reflects Naessens' pride in his creation. The numbers `7' and `14' represent the seventh and fourteenth letters in the alphabet (Naessens' initials), and the `X', the 24th letter in the alphabet, represents the year of his birth (1924)." (Kaegi)

Proponent / Advocate Claims

"Gaston Naessens hypothesizes that all living beings, animal and vegetable, possess life by virtue of microscopic dense particles that he calls 'somatids'. His unique approach to studying morphological correlates of health from blood samples relies on using his Somatoscope and Ultramicroscope to view the abnormal cycle of the somatids in the blood (orthodox medicine has no live blood test for cancer). ... The centre [Cose Inc.] believes that cancer development is related to a lowering of inhibitors (e.g. chalones) transported in the blood." (Fink 1997)

"He [Naessens] believed somatids to be living organisms distinct from bacteria and viruses, and he described 2 distinct life cycles for these organisms: a 'microcycle' consisting of 3 forms, which he observed in healthy individuals, and a more complex 'macrocycle' consisting of 16 forms which he usually observed in individuals with degenerative diseases, including cancer. He reports that at the different stages of the cycle, the form of the somatids may resemble bacteria, yeasts or fungi. He claims to be able to diagnose and monitor disease processes by observing the number and forms of somatids in the blood." (Kaegi)

Naessens believed that "if the somatids are exposed to some sort of trauma (e.g. pollution, radiation), then they enter a wild uncontrolled growth cycle which leads to cancer." The 714X is supposed to return the somatids to a normal state. (714X)

"He used the somatoscope routinely to determine whether treatment with 714-X, a mixture of nitrogen and camphor (to deliver the nitrogen), was working for each particular patient. Naessens theorized that cancer cells are deficient in nitrogen, and that injecting 714-X into the lymph system would convert them to normal cells." (Cassileth)

"The goal is to fluidify the lymph, and to direct nitrogen to the cancerous cells in order to stop their toxic secretions, which block the organism's defense mechanism." (Fink 1997)

"Naessens selected camphor as the base because he believes it has special affinity for cancer cells. ... Naessens included ammonium salts because he believes they improve the circulation of lymph in cancer patients. He also believes that the ammonium salts activate certain kinins that inhibit abnormal cell growth and enhance the healthy functioning of the immune system." (Kaegi)

Proponents believe that "714X acts to strengthen, or unblock, the dysfunctional immune system." (Bird)

"Dr. Naessens discovered that tumor cells produce a substance, cocancerogenic K factor (CKF), which paralyzes the immune system. 714X seems to neutralize CKF, thereby enabling the immune system to more readily identify and destroy cancer cells." (Diamond)

"Recently, the distributors have advised that 714-X can sometimes be administered nasally using a nebulizer containing a solution of 0.6 mL of 714-X in 1.9 mL of saline. The nasal route has been recommended for patients with lung or oral cancers." (Kaegi)

"Dr. Atkins cautions that patients undergoing the 714X treatment should not take therapeutic doses of vitamin E or vitamin B12 at the same time, as the two vitamin supplements may interfere with its therapeutic action." (Diamond)

Professional Evaluation / Critique

"There is no scientific evidence in support of the efficacy of this method." (Cassileth)

"Naessens's theories about the underlying causes and mechanisms of cancer are clearly not consistent with current scientific opinion. Although a small number of researchers have long believed that certain bacteria, viruses and other organisms such as cell-wall deficient or pleomorphic bacteria play a much more important role in the development of cancer, this view is not generally accepted by mainstream scientists." (Kaegi)

"There have been few published animal studies of the safety and effectiveness of 714-X, and those that have been conducted have shown no beneficial effect." (Kaegi)

"It is safe to say that the 'microscope invention' is a hodge-podge of different physics phenomena, which either are non-existent and certainly cannot be demonstrated to exist in any laboratory of a reputable university or any other similar institution (e.g. two wavelengths combining to produce a third wavelength), or a known physics phenomena which do exist (e.g. Zeeman effect) but do not act at all as described by this man. If the rest of his "discoveries" in any way resemble the microscope 'discovery', then I must conclude that his whole theory of somatids and immune system booster compound 714-X and their role in cancer diagnosis and treatment has no value." (Palcic)

"A few animal studies using extracts of the shrub C. camphora, which is the natural source of camphor, have demonstrated some evidence of biological activity of potential value in the treatment of cancer. ... However, research into the effects of camphor remains at an early stage." (Kaegi)

Toxicity / Risks

714X has no (reported) side effects but should be used only with the supervision of a physician. (Fink 1988)

The administration is complex. 714X must be given intra-lymphatically into a lymph node in the groin every day for 21 days. The container vial is expected to be used for several treatments and no information on preservatives or stability of 714X given. Vials must be stored in the refrigerator. (Nakashima)

"714X has no harmful side effects, other than burning sensations at or around the site of injection." (Diamond)

"Taken internally, camphor may have serious toxic effects." (Kaegi)

Costs

A series of injections cost approximately $350 Cdn. (Ontario, 1994)

It costs $320 U.S. for one series of shots consisting of 21 daily injections. Included with the medicine are a protocol, injection instructions, and a videocassette on the treatment. (Fink 1997)

In Canada, 714X is reported to cost $69.55 for 2 vials of 5 mL in 1993. (Nakashima, 1996)

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http://www.cerbe.com/en/techdata.html

714X
(Trimethylaminohydroxybicycloheptane Chloride)

714X is manufactured by the private laboratory Centre expérimental de recherches biologiques de l'Estrie Inc. (C.E.R.B.E. inc.). The product is exclusively distributed by CERBE Distribution Inc. and its authorized agents.

714X developed for perinodular injections (basic treatment)

This product is available in 6.5 ml vials. Two vials are required to complete 21 consecutive days of treatment referred to as one cycle. This basic treatment is directly administered into the large lymphatic circulation (See Section J).

714X developed for inhalation through the respiratory tract (secondary treatment, if necessary).

The secondary treatment of 714X is performed with the use of a medical device known as a nebulizer. This treatment is added to reach the smaller segment of the lymph system known as the small lymphatic circulation.

714X contains nitrogen as its primary ingredient, camphor as its vehicle, mineral salts and 18 trace elements.

Aluminum < 0.5 ppm
Antimony < 1.0 ppm
Arsenic < 1.0 ppm
Barium 0.7 ppm
Bore < 0.05 ppm
Cadmium < 0.05 ppm
Calcium 0.5 ppm
Chromium < 0.1 ppm
Cobalt < 1.0 ppm

Copper 0.01 ppm
Iron < 0.1 ppm
Lead < 1.0 ppm
Magnesium 6.5 ppm
Mercury < 1.0 ppm
Molybdenum < 1.0 ppm
Nickel < 0.1 ppm
Phosphorus < 5.0 ppm
Zinc 2.0 ppm

Sodium chloride content (NaCl) was evaluated at 8.2 g/liter.

Summary of the chemical analysis evaluation

* The absence of proteins and immunoglobulins shows that 714X is not an immune serum prepared after injection to animals. 714X is not a vaccine.

* The presence of sodium chloride at a level of 8.2 g/liter shows that it is an isotonic solution having a pH=7 (physiological solution). This solution complies with norms for injectable solutions of the pharmaceutical industry.

* The gas chromatography coupled with the mass spectrometry reveals the presence of camphor or trimethyl-(1.7.7) bicyclo (2.2.1.) heptanone-2 that we have quantified. Its concentration is 0.09 mg/ml (90 ppm). A nitrogenated compound and hydrochloric acid were also detected.

* The test using the camphoroxime that was synthesized shows that this molecule does not exist as such in the sample of 714X analyzed. The nitrogenated compound could not be clearly identified with the testing done.

* Eighteen metals have been measured. They all are at trace levels, of the order of ppm (parts per million) and are without biological significance, except magnesium, whose level of 6.5 ppm is still with no therapeutic significance. (This is the opinion of the laboratory. However, the manufacturer claims that the trace levels identified do have a biological significance.)

714X is not designed to destroy diseased cells.

714X is a product created to improve health by revitalizing the immune system and is not designed to directly act on disease related symptoms.

714X supports natural defenses (including the immune system) when introduced into the lymphatic circulation.

The particular method of administration of the product makes it unique.

A brief overview of the physiology of the lymph system is necessary given 714X's method of administration :

Most of the constituting elements of blood plasma flow freely through the capillary walls to form the interstitial fluid. Blood capillaries lose more fluid through filtration than they recover through reabsorption. The excess fluid filtered through the blood system (approximately 3 liters per day) penetrates the lymphatic capillaries where it creates the lymph.

The resulting lymph then flows in parallel to the large blood circulation. The lymph is then discharged into the venous blood (that is the blood which brings waste matter to the heart) at the junction of the sub-clavicle veins and the internal jugular veins in the neck area.
The lymphatic system is comprised of the lymph, the lymphatic vessels in which the lymph flows and many structures and organs which contain lymphatic tissue and bone marrow where lymphocytes are produced.

The lymphatic system fills several roles :

1. It drains interstitial fluids. The lymphatic vessels drain any excess interstitial fluids located between the cells. This liquid once collected in the lymphatic vessels is called the lymph.

2. It carries away the digestive fats. The lymphatic vessels transport the various fats and liposoluble vitamins absorbed by the digestive tube.

3. It protects the organism against foreign bodies. The lymphatic tissue triggers immune responses. These responses are specific to bacteria, viruses or immature cells. The lymphocytes (a type of white blood cell that creates antibodies) with the help of macrophages, detect foreign bodies, microbes, viruses and immature cells such as cancerous cells.

From an anatomical point of view, nature has provided the body with a double lymphatic circulation. These two circulations, which do not communicate with each other, act in a closed circuit. Never touching each other, they nonetheless both discharge into the blood stream (See adjoining diagram).

The large lymphatic circulation drains 75 % of the body, being the lower left and right sides of the body as well as the upper left side of the body.

The small lymphatic circulation drains 25 % of the body being the upper right side of the body.

To access the large lymphatic circulation, 714X must be introduced by way of perinodular injections into the right inguinal area.

To access the small lymphatic circulation, an ultrasonic nebulizer must be used to allow the nodes located in the respiratory tract to absorb 714X .

When introduced into the lymphatic system, 714X acts in three ways :

1. It liquefies the lymph, meaning that it renders the lymph more fluid and capable of easier circulation (better able to assure draining of cellular toxins).

This fluidifying action of 714X is produced by the sodium and ammonium chlorides contained in the product. A fluidified lymph can once again insure elimination of toxins and trigger appropriate immune responses.

N.B. : Clinical observations using a lymphograph revealed that the lymph of a person afflicted with a degenerative disease is both thick and stagnant. It does not flow freely. This observation raised the hypothesis that the lack of fluidity in the lymph can be a biological precursor to degenerative diseases.

2. It brings nitrogen to the organism as an active ingredient. Nitrogen is a fundamental element to the creation of living matter : it is also an essential element to cellular repair. It is carried to the blood stream by the lymphatic circulation.

Where cancer is present (uncontrolled immature cell division) immature cells reach a critical mass that requires nitrogen to develop. These cells then secrete a substance which paralyses the immune system so that they can then get their required nitrogen from healthy cells.

A vicious cycle then is established which supports the growth of cancerous cells while the immune system is unable to act.

By bringing nitrogen to the immature cells, 714X stops the secretion of the paralyzing factor by the immature cells thus allowing the immune system to recover its natural functions.

3. 714X brings 18 trace elements to the system thus promoting intercellular communications. The trace elements contained in 714X facilitate inter and intra cellular communications, necessary exchanges that may have been temporarily interrupted or blocked by the progressive clogging up of a stagnating lymph.

714X acts directly on the lymph to restore its immune activity.

By its direct action on the lymph and its arrival into the blood stream (once mixed with the lymph), 714X normalizes the biological functions related to homeostasis. It is a product which harmonizes the biochemical reactions involved in normal cellular development, in tissue repair and in the body's specific and non-specific defense mechanisms.

714X's therapeutic effects can be summarized in two ways :

1. An increase in the body's natural defense mechanisms, that is, the non-specific immune defense mechanisms that act upon foreign bodies such as bacteria and viruses. Natural defense mechanisms include the skin, the mucous membranes, the anti-microbial chemical reactions, phagocytosis by neutrophiles, inflammation and fever mechanisms.

2. An increase in the specific immune responses principally assured by lymphocytes (B and T) and macrophages which acting together detect cells and foreign bodies, germs and cancerous cells flowing through the body. These immune responses are triggered to establish contact with foreign substances, destroy them and then eliminate them so that they will not impede the normal metabolic functions of the body's organs. 714X thus allows a weakened organism the opportunity to regain its defense mechanisms and therefore enhance the process of cellular repair.

714X is a non-toxic treatment which supports the body's natural defense mechanisms. It is compatible with most therapeutic approaches seeking to bolster the biological terrain. These therapies are generally referred to as non-conventional, complimentary, alternative, etc.

Clinical observations have revealed certain exceptions in the case of :

* Vitamin B-12
* Vitamin E
* Shark and bovine cartilage as well as other antiangiogenic products.

These exceptions apply to dietary supplements but do not include vitamins B-12 and E found in food.

Vitamin B12

It is recommended not to simultaneously use 714X and vitamin B12 supplements.

Vitamin B12 accelerates cellular division (especially blood cells) without distinguishing healthy cells from immature cells. There is nothing to be gained by stimulating cell division in an already hyperactive organism. This restriction does not affect vitamin B12's properties in a normal context.

For those persons having had a partial or total removal of the small intestine who wish to take 714X, the above exception concerning vitamin B12 does not apply as this vitamin is essential for such persons' survival.

Vitamin E

It is not recommended to use 714X and vitamin E supplements simultaneously.

It is a recognized fact that vitamin E protects cellular membranes against free radicals. This antioxidant property of vitamin E is important in the prevention of cancer, but once cancer has taken hold of the organism, this vitamin could create a protective coating around immature cells and thus delay their identification and elimination by the immune system.

Shark and bovine cartilage

It is not recommended to use 714X and shark or bovine cartilage or antiangiogenic products (products aiming at shrinking blood vessels) simultaneously

Shark cartilage seeks to asphyxiate a tumoral mass by stopping its vascularisation process. This is a valid approach if one considers cancer as a localized problem.

However, if one considers cancer as a generalized disease which localizes itself in a vulnerable area of the body, it becomes useless to act locally if the defense mechanisms are not supported. In this approach, the tumor is only confirmation of a more profound problem.

Shark cartilage is incompatible with 714X as 714X requires a good blood circulation so that the body may eliminate tumoral masses.

714X is not toxic and does not destroy diseased cells. It only supports the body's natural defense mechanisms and its immune system. It can be used with conventional treatments whether they be chemotherapy, surgery, radiation therapy or other therapies. It does not hinder their respective modes of action nor does it modify their effectiveness. 714X combined with conventional therapies can only benefit the patient as it promotes the elimination of metabolic waste matter (meaning toxins) produced by the above mentioned conventional treatments. It can also reduce the intensity of certain side effects associated with conventional therapies such as nausea, loss of appetite, etc. as it helps the body to cleanse itself by favoring the circulation of the lymph and by assisting in cellular repair by bringing nitrogen to the organism.

Manufacturer's recommendation

If surgery is to occur and the patient's life is not in any immediate danger, it is recommended that a full 21 consecutive day course of 714X be done prior to surgery. This procedure can only assist the organism by promoting a strong local and systemic immune response.

For those cancer patients requiring surgery, the above recommendation becomes even more important as it reduces the risks of spreading cancer to a new site (metastasis), given that surgery can assist the migration of cancerous cells via the lymphatic system.

714X may be used for preventive purposes. In such cases, one to three consecutive cycles of perinodular injections are recommended.

When dealing with a degenerative disease confirmed by a medical diagnosis, 714X may be used by itself or in conjunction with other treatments. In these cases, a minimum of 6 to 8 consecutive cycles of injections are required. In some cases, continued use may be necessary even though 714X was not conceived as a lifelong medication.

The quantity of product to be injected as well as the frequency of the injections appears in the adjacent calendar :

It is pointless to increase daily doses in the hope of speeding up the healing process. The recommended dosages have been clinically determined and remain those having afforded the best results.

1. Progressive doses are administered during the first five days of the first cycle beginning with 0.1 ml. on day one, 0.2 ml on day two and so on until day five. This progression is necessary to avoid overtaxing the elimination organs due to the increased number of toxins being eliminated once the lymph becomes more fluid.

2. From day five of the cycle to day twenty-one, the daily dose will be 0.5 ml.

3. Each twenty-one day cycle must be followed by two days with no injections being performed to allow the organism to rest.

4. The second and all subsequent cycles will consist of 0.5 ml injections from day one to day twenty-one inclusively.

5. Children weighing less than 30 kg (66 pounds) will receive one half of the daily dose prescribed for adults but will also complete full twenty-one day cycles.

Ultrasonic nebulizer treatments

Ultrasonic nebulizer treatments require a special mixture of 714X which has a different molecular weight than the injectable product. The nebulizer product is packaged in 2 ml ampoules, seven ampoules being included in each box. Three boxes are required for a 21 day cycle.

The nebulizer treatment is a secondary treatment which begins only during the second injection cycle. A 12 hour interval is required between the injections and the inhalations by way of the nebulizer. Some people prefer injecting in the morning while others prefer the evening. This depends on each person's tolerance and routine. From a biological standpoint, there is no difference. It remains a strictly personal choice.

Side effects are generally understood to mean foreseeable and harmful side effects present amongst all users. Such effects are not systematically found in people using 714X.

To the contrary, using 714X can increase the quality of life of its users (increased vitality and pain threshold, better appetite, less stress, etc.). Each person's constitution as well as their body's need for cleansing and cellular repair will be factors influencing how 714X acts upon them. Each person is different. It is most difficult to gage 714X's impact from one person to another.

Occasionally, during the first treatment cycle, certain observations will confirm that the cellular cleaning process has begun. Most users do not notice any particular changes except for improved activity in the elimination organs (bladder, intestines, lungs).

It is recommended however to strictly apply the utilization protocol of 714X to avoid any discomforts which may result from a rapid application of the product.

Conclusion

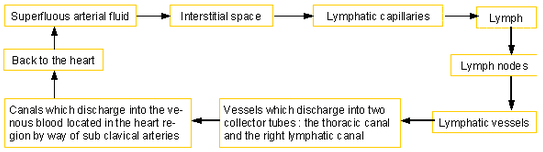
714X is a health product conceived and manufactured to support the body's natural defenses. The method chosen to achieve this objective is the liquifying of the lymph. Once liquefied, the lymph can resume its normal draining functions as well as its other immunological properties.

714X is easily absorbed by the body : it sustains life by bringing to the organism fundamental elements such as nitrogen (brought to the system by the camphor molecule) and a variety of trace elements.

714X is non-toxic. It produces no harmful side effects. It may be used in a preventive mode. It is recommended for those people suffering from some sort of immune deficiency or degenerative disease confirmed by a medical diagnosis.

Volume to be used		
Day	First cycle	Subsequent cycles
Day 1	0.1 ml	0.5 ml
Day 2	0.2 ml	0.5 ml
Day 3	0.3 ml	0.5 ml
Day 4	0.4 ml	0.5 ml
Day 5 to 21 incl. (17 days)	0.5 ml	0.5 ml
Volume used	**9.5 ml**	**10.5 ml**
Loss in needle	2.1 ml	2.1 ml
Total volume	**11.6 ml**	**12.6 ml**

The Lymphatic Pathway



US Patent # 6,596,295

Aqueous Solution for Treating Degenerative or Autoimmune Diseases and/or as an Immunomodulatory Agent

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US Cl. 424/422

Gaston NAESSENS

Abstract -- The invention concerns an aqueous solution capable of being injected by perinodular delivery or inhaled for use in the treatment of degenerative or autoimmune diseases or as immunomodulatory agent. Said solution is prepared by reacting camphor on ammonium hydroxide. The resulting product is then suspended in a saline solution. Said preparation having a basic pH is then neutralized with nitric acid. The resulting aqueous solution has pharmacological properties since it is an analogue of human cytokines, which makes it useful for treating degenerative or autoimmune diseases and/or as an immunomodulatory agent.

Foreign Patent Documents
GB 385,148 (1932) // WO 97 05780

Description

The present invention relates to an aqueous solution that is administrable by perinodular injection or by inhalation and is usable for treating degenerative or autoimmune diseases and/or as an immunomodulatory agent.

The invention also relative to a method for preparing this solution.

This method is characterized in that: in a first step, camphor is reacted with ammonium hydroxide; in a second step, the product obtained in the first step is suspended in an aqueous solution of sodium chloride; and in a third step, the pH of the liquid suspension obtained in the second step is neutralized with nitric acid to obtain the desired aqueous solution.

The aqueous solution according to the invention as obtained by the method described above, has been thoroughly tested and has proven to have pharmacological properties which make it efficient for the treatment of degenerative or autoimmune diseases and/or as an immunomodulatory agent.

Thus, it has been noticed that it mimicks human cytokines. Thus, it acts on monocytes to transform them into macrophages which, in turn, secrete two proinflammatory cytokines: interleukin 1 beta, 6, 8.alpha. and a tumor necrosis factor TNF alpha. Depending on the mimicked cytokine family, monocytes are transformed into macrophages or block molecules which paralyse the immune system. In both cases, a stimulation of the immune system and an increase in the tumor necrosis factor, which is also classified among immunostimulating factors, occur. This factor is also known for the role it plays in host resistance against viral infections or others, and in tumor development.

Based on testings performed on animals, the solution according to the invention would be applicable in human therapeutics using 0.075 ml per pound of body weight for 21 days, that is to say a total of 10.5 ml per series, which corresponds to 0.5 ml per day for a person weighing 140 pounds. Administration can be done by perinodular injection or by inhalation with an ultrasonic nebulizer.

For a person of 140 to 190 pounds, the first series should be applied in a progressive way according to the following schedule:

1.sup.st day 0.1 ml injection 2.sup.nd day 0.2 ml injection 3.sup.rd day 0.3 ml injection 4.sup.th day 0.4 ml injection 5.sup.th day 0.5 ml injection

All the other injections should comprise the same volume (0.5 ml) of injected product.

The following series will use 0.5 ml at each injection for 21 days.

Cycles can be repeated if needed with an interruption of 2 days between each cycle.

The structure of the active principle present within the aqueous solution according to the invention has not been established with precision yet. As it stands out on the reaction diagram identified as FIG. 1 in appendix, camphor reacts in a reversible way with ammoniac to produce a hemiaminal derivative. This hemiaminal derivative of camphor is itself prone to a number of possible reversible conversions in the presence of ammoniac and water, and has been impossible to identify by infrared spectrophotometry yet. However, the Applicant however thinks that it is the chloride of this hemiaminal derivative of camphor obtained in the second step of neutralization which is probably the active principle of the aqueous solution insofar as the structure of this derivative could effectively mimick the structure of .beta. family cytokines which are known to act on monocytes and stimulate the production of IL-1 beta, 6, 8 and TNF alpha. The complete chemical name of the chloride derivative is the trimethyl-1,7,7 amino-2 hydroxy-2-bicyclo [1,2,2] heptane chloride.

The invention will be better understood upon reading what will follow in a practical example of synthesis and the detailed description of assays performed up to now by the Applicant.

EXAMPLE

In a container sealed hermetically, 108 mg of camphor (C.sub.10 H.sub.16 O) is added to 0.9 ml of ethyl alcohol (C.sub.2 H.sub.5 O), until complete dissolution. Then, the alcoholic solution so obtained is added to 5.2 ml of ammonium hydroxide (NH.sub.4 OH). The obtained mixture is shaken.

In another erlenmeyer, 0.9 g of sodium chloride (NaCl) is dissolved in 79 ml of sterile, non pyrogenic water. The content of this other erlenmeyer is added to the mixture previously prepared. The new mixture obtained is vigorously shaken.

The so prepared aqueous solution presents a fluffy precipitate and supernatant. After three days at room temperature and daily shaking, the precipitate is completely dissolved.

The aqueous solution is in the form of a clear liquid, with an ammoniacal smell and an alkaline flavour, the pH of which is 10.4. Then, the pH is adjusted to 7 by introducing 14.9 ml of nitric acid (HNO.sub.3)N.sub.6.

The final solution obtained is then filtered through a millipore filter of 0.2 micron.

It is obvious that the basic chemical products used and previously mentioned comply with the U.S.P. standards and are manipulated in conditions of total asepsis.

Biological Properties

The biological properties which were obtained with the solution prepared as described in the preceding example, are the following: 1) It acts on monocytes in vitro. 2) It transforms monocytes into mature macrophages in vitro. 3) In vitro again, transformed macrophages are stimulated to secrete proinflammatory cytokines. (a) Interleukin-1 beta (IL-1 beta) known to exert a large variety of effects on differentiation and function of cells involved in inflammatory processes and immune responses; and (b) IL-6, 8 alpha and tumor necrosis factor (TNF alpha), also classified as an immunostimulatory agent and known to play a role in host resistance against infections and tumor development.

It is known that the cellular immune response is controlled and modulated by a family of relatively small molecules called <<(cytokines)>> which are small protein hormones playing a role in numerous normal cell functions. Their functions encompass anti-tumor, anti-viral and anti-bacterial activities and they induce immune cell growth, differentiation, activation, chemotactism, adhesion and immunosuppression.

This family of immunomodulators has recently been discovered. More than 70 different molecules have been identified but it seems that the family comprises more than 200 members. In other words, to date, cytokines are only partially known and characterized.

Known cytokines have been divided into two groups, alpha and beta, based on their structure. Alpha cytokines include interleukins, interferons, and other growth factors which control immune cell proliferation. Beta cytokines include MIP (Macrophage Inflammatory Proteins), MCP (Monocyte Chemoattractant Proteins), RANTES, and other proteins which attract immune cells toward a site of infection or a tumor and, in doing so, strengthen the activity of the immune system. It seems that each cytokine molecule is very specific and only targets a small subpopulation of lymphocytes. In addition, cytokine fragments as small as 3 to 7 amino acids can bind to lymphocytes and partially mimick or block the activity of a complete cytokine molecule.

It is also known that the last three amino acids at the C-terminal end of beta cytokines are nitrogen-oxygen which bear a positive charge. It is thus possible that the aqueous solution according to the invention could exert a stimulatory effect to secrete cytokines since, as a result of its preparation, it may contain a small amount of nitrogen-oxygen molecules which look like and mimick the three amino acid-sequence of the beta cytokine family. Depending on the required cytokine activity, the solution according to the invention can either activate the transformation of monocytes into active macrophages or block the action of other molecules which paralyse the immune system. In either case, the result could be reinforcement of the immune system and the natural defenses to increase tumor cell destruction.

Results of the Assays Carried Out

Various assays and tests described thereafter were carried out with vials filled with the aqueous solution prepared according to the example given hereinabove.

1) Control Tests of the Solution

The aqueous solution prepared according to the invention was tested. In practice, it should be limpid, clear and volatile, and leave a dry extract of 63 mg per ml.

2) Sterility Assays

Ten randomly selected vials were incubated at 37 degrees for 48 hours. Then, each vial content was seeded as follows: a) 1 ml of solution respectively in two tubes of 60 ml containing thioglycolate medium (Difco) and a tube of 60 ml containing Sabouraud liquid medium (Difco). b) 0.25 ml of solution respectively in two tubes of 60 ml containing thioglycolate medium (Difco) and a tube of 60 ml containing Sabouraud liquid medium (Difco). c) A thioglycolate tube of group A and a thioglycolate tube of group B were incubated at 35 degrees for 10 days, all the other tubes being kept for 10 days at room temperature (about 20 degrees).

All seeded tubes were maintained sterile.

3) Toxicity Assays

Pharmacological assays performed on healthy animals showed an absence of toxicity, even at very high doses.

Then, one was able to intravenously inject 1 ml of product to a 9-pound rabbit, without being in a position to observe an unfavourable reaction. In the same way, one was able to inject 0.2 ml of product per pound of body weight to cats and 0.3 ml of product per pound of body weight to dogs without observing unfavourable reactions.

By lymphatic delivery, one was able to inject to cats of 10 to 12 pounds up to twice the total dose prescribed in human therapeutics, for a body weight of 140 to 190 pounds, without observing unfavourable reactions.

4) Therapeutic Assays

The therapeutic activity of the product was observed for almost three years in 26 cats and 20 dogs suffering from various degenerative pathologies as well as viral and bacterial infections.

Single injected doses varied by one twentieth up to the total dose proposed above in human therapeutics.

The therapeutic activity of the product was observable in all cases right from the second day of treatment. This activity presented itself either by regression of tumor or lymph node masses, or by resumption to vital functions and return to a satisfying general state after infectious diseases.

Optimal results were recorded with a posology of 0.075 ml per pound of body weight, for a 21-day cycle, which has permitted to establish the previously mentioned posology applicable to human therapeutics.

5) Pharmacological Assays

As previously indicated, the aqueous solution according to the invention acts on neoplastic cells and prevents them from secreting a substance which drives leucocytes and other phagocytic elements of the organism into a state of negative chemotactism.

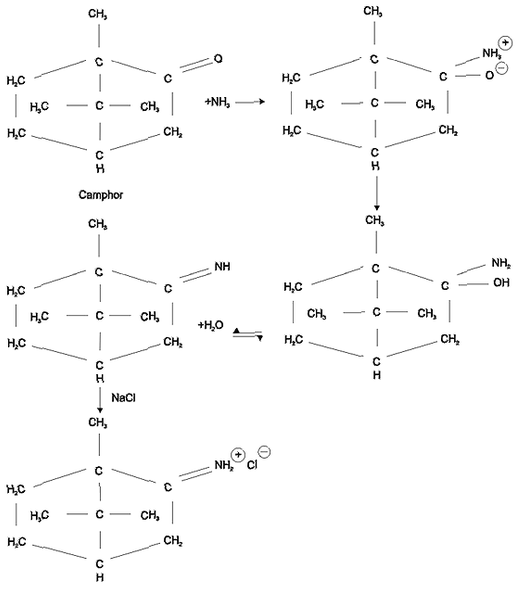
Suppression of this secretion then allows the immune system to consider the neoplastic formation as a foreign body and destroy it. Animal testing showed that elimination of lysed tumor masses occurs through emunctories. Cancer cells thus evacuated present a nuclear disruption making any mitosis impossible. These evacuated cells are surrounded by an enormous amount and variety of very active leucocytes.

Animal testing also showed that hematological constants in treated animals reached standard levels right from the first week of treatment.

The aqueous solution according to the invention can be used as such, preferably by lymphatic delivery.

From a practical point of view, it is worth noting that this solution can not be exposed to germicidal tube rays (a 2537 angstrom-ray for example).

714X



Canada Patent # 2,282,865

DIACHROMIC MICROSCOPE CONDENSER

3-20-2001
Gaston NAESSENS

Classification: - international: G02B21/08; G02B21/18; G02B21/06; G02B21/18; (IPC1-7): G02B21/08; - European: G02B21/08D; G02B21/18

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The Amazing Wonders of Gaston Naessens ---

Super-Microscopes and Suppressed Cancer Treatments

by

Steven Elswick

The landscape of medical science is on the verge of being radically altered forever by the use of a powerful microscope (the Somatoscope) developed by Gaston Naessens of Quebec, Canada, This incredible device reaches magnification levels of 20,000 to 30,000 diameters—well above the 2,500 diameter limit of conventional microscopes. The sheer magnitude of the difference in performance gives the appearance of either a gross violation of the laws of physics, or fraud.

A radical departure in performance from optical and scanning electron microscopes registers this as a truly great discovery. Unfortunately, in most fields of science, a great deal of effort is put forth into listing why something will not work instead of attempting to duplicate the results. This in turn creates a situation where what was science, turns into religion where the orthodox dogma is to be taken on faith, and that which defies dogma is to be persecuted as heresy. The inertia of a dogma slows down the rate new discoveries can be made. In the medical fields, slow acceptance of new ideas can cause many needless deaths. This is the case with the supermicroscope and the discoveries of B&hamp, Rife and Naessens.

NOTES

In the 1930s, an obscure and dedicated scientist, Royal Raymond Rife, had successfully developed the Universal Microscope which was able to provide amplification levels of 60,000 times without killing the specimens! Rife was able to observe live viruses and their reaction to certain stimuli. His observation that bacteria could change into viruses and viruses could change form, violated the strongest medical dogma—the germ theory of disease.

In 1934, after learning how to seek out and destroy the insidious cancer virus, Rife opened a clinic in which he cured 16 out of 16 patients within three months! Working side by side with some of the most respected researchers in America, Rife treated patients electronically to kill the virus and then allowed the body's immune system to restore the body to full health. Many prestigious (and competent) organisations and institutions oversaw and verified much of Rife's work during the 1930s.

Independent physicians using Rife's therapy were treating and curing as many as 40 patients per day. Other degenerative conditions and illnesses such as cataracts, herpes and tuberculosis were found reversible and curable with Rife's equipment This work was described in various medical journals of the time as well as the Smithsonian Institution's annual report and Science magazine. Unfortunately, Rife's success attracted the attention and wrath of the American Medical Association (AMA) and the powerful pharmaceutical companies—the organised opposition of the medical fields.

Although Rife's work was in direct conflict with the orthodox views of his time, he was supported by many top-rated doctors. Many of these doctors continued using these devices in secret in defiance of the AMA and the US government. The carefully documented records kept by these brave doctors and testimonials by their patients vindicate Rife's theories. Many of these case histories and anecdotes about Rife's treatment can be found in the book, The Cancer Cure that Worked! by Barry Lynes.

The fascinating work of Rife was suppressed and he—like Tesla before him—joined the ranks of the forgotten inventors of the early part of this century. It has only been in the past few years that the general public has begun to develop an awareness that there is something wrong in the technical world.

MODERN UNIVERSAL MICROSCOPE

What Rife accomplished optically in the 1930s with his Universal Microscope, Gaston Naessens accomplished with a combination of optics and electronics in the 1940s in his Somatoscope. Born on 16 March 1924 in Roubaix, France, Gaston displayed a predisposition to be an inventor when at the age of five he built a little moving autolike toy from a Meccano set and powered it with an alarm clock spring. Later, he built a home-made motorcycle and a mini-airplane!

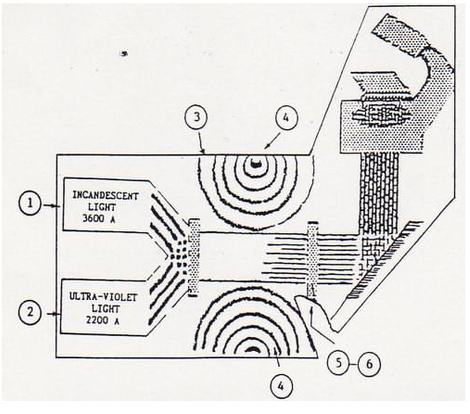
While attending the University of Lille, Gaston nearly had his education disrupted by the German invasion. Fortunately, Gaston and his fellow students escaped to Nice where they carried on their education in exile. He was awarded a diploma from the Union Nationale Scientifique Francaise—a quasi-official institution under whose auspices the education of the displaced students continued. He did not bother seeking an equivalency degree from the de Gaulle government when the French rule was restored.

At the young age of twenty-one, frustrated by the limitations of conventional microscopes, Gaston set out to build a superior microscope. Technical assistance was provided by German craftsmen from Wetzlar, Germany, who checked out many of Gaston's original ideas on optics. Privately, Gaston devised the electrical manipulation of the light source Once the technical aspects were resolved, Gaston had the body of his microscope constructed by Barbier-Bemard et Turenne, technical specialists and defence contractors near Paris.

THEORY OF OPERATION

The Somatoscope mixes light from two orthogonal light sources—a mercury lamp and a halogen lamp. The light from both sources enters a glass tube at 90° from each other. As the light waves beat against each other, a strong carrier wave of light emerges and travels down the light tube. (It should be noted that two electromagnetic fields superimposed upon each at 90° is a classic scalar formation!) As the light travels down the tube, it passes through a monochromatic filter which forms it into a monochromatic ray. The ray is then passed through a large coil that surrounds the tube. The coil's magnetic field divides the ray into numerous parallel rays that are then passed through a Kerr cell which increases the frequency of the rays before being injected onto the specimen.

FIGURE 1



Two light sources: the first (1) an incandescent one with a wavelength of about 3600 angstrom, the second (2) an ultraviolet one with a wavelength of about 2200 angstrom beat against each other to produce a third wavelength of which passes through a monochromatic filter (3) to produce a monochromatic ray. This ray is exposed to magnetic fields (4)-the *Zeeman* effect- that divides tt to produce numerous parallel rays (5) that. In turn pass through a *Kerr*-cell (6) that increases the frequency. It is this light source, invisible to the naked eye, that strikes the specimen slides. The Image is reconstituted by the microscope. Credit: Guide Resources

The light, which contains the carrier and a mixture of selected signals in the UV range, stimulates the biological material in the Somatoscope to the point that the specimens give off their own light. (Rife referred to this as luminescence.) This is the key to the ultra-high resolution that has been achieved by Gaston Naessens.

Conventional microscopes pass light through the specimen which theoretically limits the resolution of optical microscopes to the wavelength of light. The finest optical microscopes have achieved magnification levels of 2,500 diameters. At levels above this, the resolution is limited by the wavelength of light and further magnification merely creates a blur! Higher resolutions have been achieved by microscopes which do not use lenses, but rather apertures which are smaller than the wavelength of light. One such microscope engineered in Cornell University has achieved a resolution of 400 angstroms—a far cry from the 150 angstroms achieved by Naessens' Somatoscope.

The Somatoscope does not attempt to illuminate the specimen by passing light through two small objects. Instead, the illumination source is actually stimulating the specimen to the point it generates its own light. The light itself expands as it moves outward and because the specimen itself is generating the light, the physical restrictions encountered by regular optical microscopes do not apply. By converting the specimen into a light source, Gaston Naessens has converted the magnification problem from one of resolution to that of light detection! At magnification levels above 5,000 diameters, light levels drop off the point that film is necessary, but the resolution is there.

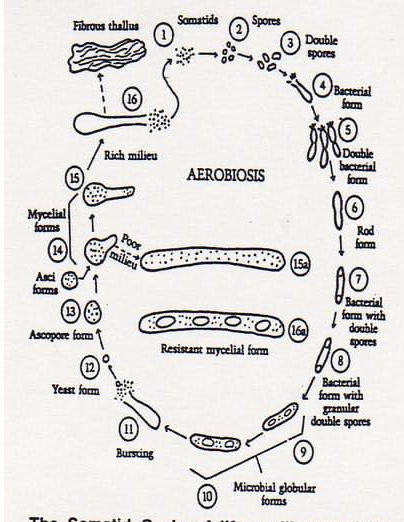
To further research along the lines he has pioneered, Gaston has developed junior models of his Somatoscope for field use. These field units allow researchers to obtain illumination and stimulation of the specimens of the larger unit. The field units are capable of magnifying 6,000-7,000 diameters, although routine work will usually be at 3,500-4,000 diameters. The lower light levels of the higher magnification requires that a lower level of magnification be accepted for field use in order to maintain portability in the smaller units. One such unit will be in use in Colorado Springs at Clifford and Associates. The Somatoscope has enabled researchers to discover the importance of colour and its relationship to the material being observed. The wavelengths of light generated are related to the size of the object and the health of the cell. For instance, the red blood cells vary from yellow/green to orange (540 nm to 580 nm) and white blood cells are rich in blue/violet (490 nm to 510 nm). Exposure to toxic materials, even in minute amounts, causes significant shifts in colour. Even 'safe' amounts of toxic materials like mercury and the aluminium in toothpaste cause significant degradation to red blood cells as I was able to witness from specimens on a videotape produced from the Somatoscope.

THE SOMATID CYCLE

In a long lost chapter of history in science, a violent controversy took place in France between the illustrious Louis Pasteur and Antoine Bechamp, a noted professor of physics, toxicology, medical chemistry, and biochemistry. Bechamp's work led him to discover 'microzymas' (tiny ferments) which were characterised by a host of small bodies in his fermenting solutions.

After years of study, Bechamp came to the conclusion that these microzymas were more basic to life than cells. Even with his crude equipment, he was able to observe that the microzymas underwent dramatic transformations during their life cycle. This caused Bechamp to champion the idea that the cause for disease lay within the body. Pasteur's germ theory held that the cause came from without Pasteur's outspokenness helped the germ theory win out and dominate medical philosophy for the past century.

Now, a hundred years later, Gaston Naessens has discovered an ultramicroscopic, subcellular, living and reproducing microscopic form which he christened a 'somatid' (tiny body). This new particle could be cultured outside the bodies of the host. Naessens also observed that the particle had a pleomorphic (form-changing) life cycle, and had a sixteen-stage life cycle. Only the first three stages of the somatid life cycle are normal. **FIGURE 2**



The Somatid Cycle of life as illustrated by Gaston Naessens. Gaston believes that life itself would not be possible without the somatids!

Naessens discovered that when the immune system is weakened or disrupted, the somatids go through the other thirteen stages. The weakening of the immune system could be brought about by a number of reasons such exposure to chemical pollution, ionising radiation, electric fields, poor nutrition, accidents, shock, depression, and many more.

Incredibly, Naessens' research has resulted in the association of degenerative diseases (rheumatoid arthritis, multiple sclerosis, lupus, cancer and AIDS) with the development of forms in the sixteen-stage pathological cycle. The ability to associate the disease with specific stages has enabled Naessens to 'prediagnose' conditions in advance of when they would clinically appear.

This discovery puts Gaston Naessens at odds with the orthodox medical philosophy today which has embraced Pasteur's germ theory wholeheartedly. Naessens' work is repeatable. The ability to culture somatids is a bellwether to the rewriting of microbiology!

Naessens stated: "I've been able to establish a life cycle of forms in the blood that add up to no less than a brand new understanding of the basis of life. What we're talking about is an entirely new biology, one out of which has fortunately sprung practical applications of benefit to sick people, even before all of its many theoretical aspects have been sorted out"

714X

The research of Gaston Naessens has culminated in the discovery of 714X—an enzyme which helps the immune system to do its job. 714X is a derivative of camphor and is injected interlymphatically—a process that the medical fraternity holds to be impossible. Yet the fact remains that many people have learned how to administer the medication through lymph nodes.

When properly administered, 714X stabilises and strengthens the immune system in most cases. This allows the immune system to go about its normal business in ridding the body of disease. In other words, cancer is treated like an infection, not a state of cells.

Like Bechamp and Rife before him, Gaston states unequivocally, "germs are not the cause of, but the result of, disease".

714X will not help everyone—especially where there has already been extensive use of chemotherapy and radiation. (Chemotherapy and radiotherapy wipes out the immune system and other bodily resources.)

THE SECOND CHANCE

The cancer death toll between 1970 and 1986 was approximately 6 MILLION. Sadly, the conventional treatments of chemotherapy and radiation therapy are nothing more than slow death sentences that enrich the cancer industry. Possible miracle cures are quickly quashed by the FDA (Food & Drug Administration) and the various medical societies around the world. It is a sad commentary that in a country that prides itself on freedom, terminally ill patients cannot make an informed decision to participate in experimental treatments that may save their lives.

714X is available in the United States. WRITERS & RESEARCH is one organisation working closely with the FDA and the IRB (Institution Review Board) to do work with 714X legally and ethically. 714X is an injected medication and must beprescribed by a doctor.

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